

## ENGINEERING MANAGEMENT SUPPORT INC.

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May 9, 2014

VIA: Electronic Mail

U.S. Environmental Protection Agency  
Region VII SUPR/MOKS  
11201 Renner Boulevard  
Lenexa, KS 66219

**ATTENTION:** Mr. Dan Gravatt

**SUBJECT: Monthly Status Report – April 2014**  
**West Lake Landfill Operable Unit 1, Bridgeton, Missouri**

Dear Mr. Gravatt,

On behalf of Cotter Corporation (N.S.L.), Bridgeton Landfill, LLC., Rock Road Industries, Inc., and the United States Department of Energy (the "Respondents"), Engineering Management Support Inc. (EMSI) submits the attached status report for the month of April 2014 required by paragraph 56 of the West Lake Landfill Administrative Order on Consent, Docket No. VII-93-F-005. If you have any questions or desire additional information related to this status report or any other aspect of the project, please do not hesitate to contact me.

Sincerely,  
ENGINEERING MANAGEMENT SUPPORT, Inc.



Paul V. Rosasco, P.E.

**Distribution:**

Shawn Muenks - Missouri Dept of Natural Resources  
Victoria Warren - Republic Services, Inc.  
Ward Herst - Herst & Associates, Inc.  
Jessie Merrigan - Lathrop & Gage  
Bill Beck - Lathrop & Gage  
Dale Guariglia - Bryan Cave HRO  
John McGahren - Morgan Lewis  
Steven Miller - U. S. Department of Energy  
Christina Richmond - U.S. Department of Justice  
Dan Feezor - Feezor Engineering  
Mike Bollenbacher - Auxier & Associates

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**Monthly Status Report – April 2014  
West Lake Landfill Operable Unit 1  
Bridgeton, Missouri**

This status report has been prepared by Engineering Management Support Inc. (EMSI) on behalf of Cotter Corporation (N.S.L.), Bridgeton Landfill, LLC (formerly known as Laidlaw Waste Systems [Bridgeton] Inc.), Rock Road Industries, Inc., and the United States Department of Energy (the "Respondents") for Operable Unit - 1 (OU-1) at the West Lake Landfill as required by paragraph 56 of the West Lake Landfill Administrative Order on Consent, Docket No. VII-93-F-005.

**1. Work Performed During April 2014**

Project Planning

A draft of the Core Sampling (Phase 1B, 1C and 2) Work Plan for the isolation barrier investigation was submitted to EPA and MDNR on December 18, 2013. EPA comments on the draft work plan were received on December 26, 2013. The final Phase 1B, 1C and 2 Core Sampling Work Plan was submitted on January 8, 2014.

EPA comments on the various work plans prepared for the additional Supplemental Feasibility Study evaluations were received on August 16, 2013. A meeting was held with EPA and MDNR on September 24, 2013 to discuss comments on the work plans for the additional SFS evaluations. Revisions to the work plans for evaluations of alternative Area 2 depths and volumes, apatite treatment technologies and additional discount rate were prepared and submitted to EPA and MDNR on October 31, 2013. A revised work plan for evaluation of alternative landfill cover designs was submitted to EPA and MDNR on February 21, 2014.

A draft Remedial Design Work Plan was submitted to EPA in November 2008. In accordance with direction from EPA, all work on design of the ROD-selected remedy has been put on hold.

Fieldwork - Sample Collection/Analysis

None.

Report Preparation

The monthly progress report for March 2014 was prepared and submitted to EPA and MDNR on April 10, 2014.

During April, work was performed toward preparation of a comprehensive groundwater report.

### Project Management

None.

### Meetings

A meeting was held between the Bridgeton Landfill, LLC, EPA Region VII, and EPA Office of Research and Development Personnel on April 15, 2014.

### Correspondence

None.

## **2. Analytical Data Collected During This Reporting Period**

Analytical reports were received for samples collected as part of the Isolation Barrier investigations. Specifically, results for the group of soil samples submitted to the analytical laboratory on February 11, 2014 (Eberline no. 14-04046) and additional soil samples selected from previously collected core samples that were submitted to the analytical laboratory on March 17, 2014 (Eberline no. 14-03082) and April 17, 2014 (Eberline nos. 14-04118 and 14-04119) were received during this period. A revised analytical laboratory report for one of the first three sets of air monitoring samples (Eberline no. 14-03007) was also received during this period. Analytical results for investigation-derived water samples collected on March 25, 2014 were also received (Eberline nos. 14-03127).

Due to the size of the analytical report files, these reports are being transmitted to the recipients of this monthly report via the WeTransfer file transfer service.

## **3. Work Scheduled to be Performed during May and June 2014**

Work will be performed toward preparation of a summary report that presents the data from the four additional groundwater monitoring events (July/August 2012, April 2013, July 2013, and October 2013) and provides interpretation of the results for the four events.

Evaluations to estimate alternative volumes for development of a partial excavation alternative for Area 2 will be conducted.

The two remaining Work Plans for the additional SFS evaluations (Partial Excavation, and Fate and Transport Evaluations) will be updated as necessary to address EPA and MDNR comments and the discussions at the September 24, 2013 meeting, EPA's

additional comments on the fate and transport work plan, and EPA direction relative to the partial excavation alternative based on the results of the volume estimates for the alternative partial excavation scenarios currently being developed.

Validation, review and evaluation of the results of Phase 1B, 1C and 2 drilling and sampling and the percussion geoprobe drilling and sampling will be performed during May, 2014.

#### **4. Problems Encountered**

None.